



# ESPA Design and Development Engineering Internship

(OCCDE2304)

[Apply here](#)

## Start date

August/September 2024

## Duration

6 months

## Languages

Good spoken and written English levels are required (B2 onwards)

## Location

Reading, England

This increasingly important centre for business and development, is a bustling mix of clubs, eateries and shops. It also offers sporting opportunities across the spectrum and has a diverse multicultural and welcoming reputation. With London just 25 minutes away on the train, Reading is a great (large) town to be located.

## Are you eligible?

Are you a registered student?

Or

Are you eligible to participate in the Erasmus+ programme, graduated with grant funding?

## Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

## Role

This is a unique opportunity for an enthusiastic and passionate design/development engineer, who has a *love of technology and product design*, to gain hands on experience at this pioneering host company. Mentored throughout by a first class engineering team, you will support the development of a new generation of portable, hand-held diagnostic, medical devices. This host is at the forefront of cutting-edge technology and has an incredible team of people. Expanding at a rapid pace, they are looking for *trailblazers, visionaries and the naturally inquisitive*. If this sounds like you and you are excited about the prospect of making a real difference to people's health, apply today for the chance to be part of their journey. You can expect to be involved in many aspects across the business, that will significantly broaden your experience. What a great addition to your CV and future career!

## Tasks

- Understand real engineering challenges, propose hypotheses and solutions, test and document conclusions
- Design and develop systems for innovative new products and fixtures
- Prototype designs from early concept through to implementation
- Undertake risk analyses to ensure the highest standard of patient and user safety
- Generate design documentation including specifications, drawings and procedures
- Seek continual guidance and feedback from the senior team to support your personal development and delivery of high quality work

## Personal Skills

- Studying for a degree in engineering, mechanical engineering, product design or physical sciences
- Experience with numerical analysis and prototyping software e.g MATLAB, Python, Arduino
- Experience with rapid prototyping techniques e.g FDM
- Self-motivated, persistent and collaborative with a keen eye for detail
- An appreciation of, and desire to, work across the full product lifecycle
- An appreciation of statistics and experiment design
- An appreciation of working within a highly regulated quality system, preferably medical

## The Host Company

The host company is pioneering ground-breaking technological solutions to alleviate some of the greatest healthcare challenges by developing technology that takes instant health diagnostic information simply by looking in the eye. With a world-leading team of experts, 9 international patents and more pending, their innovative range of products will improve the lives of millions of people. Healthcare challenges are there to be solved and this host company has the vision and the technical ability to succeed. The aim is for their non-contact, mobile diagnostic devices to make repetitive, invasive monitoring a thing of the past.